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A List of the Ichneumonid Types in Taiwan (Hymenoptera)[1]

by

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Abstract : The types and lectotypes of Ichneumonidae in the Taiwan Agricultural Research Institute are listed alphabetically, with their original descriptions, type localities, present condition, and correct names. New synonymy, retrieval from synonymy, or new generic placements are proposed for the types of *Anilasta japonica*, *Anomalon discoidellum*, *Campoplex taiwana*, *Colpotrochia montana*, *Dioctes gelachiae*, *Enicospilus chalasmatos*, *E. flatus*, *E. quintuplex*, *E. tenuinubeculus*, *Ephialtes miwai*, *Gambrus homonae*, *Habrocryptus ruficoxatus*, *Hypsicera exserta*, *Melcha lemae*, *Teleutaea townesi*, and *Ventura rufipetiola*.

The only types of Ichneumonidae in Taiwan are in the collection of the Taiwan Agricultural Research Institute, 189 Chungcheng Road, Wanfeng, Wufeng, Taichung, Taiwan, Republic of China. Thus, a list of the ichneumonid types in Taiwan is also a list of types in this Institute.

The Taiwan Agricultural Research Institute was formerly on Roosevelt Road, in Taipei. In 1977 it moved to its present location, sixteen kilometers south of the city of Taichung on Route 4, six kilometers south of the town of Wufeng, in Taichung Prefecture. To reach the Institute one may take the train (or bus) from Taipei to Taichung (about 200km.), walk or taxi from the train station to the bus station, and take a bus to Wanfeng. The collection is in the Entomology and Plant Pathology building of the Institute and is curated by Miss Shui-chen Chiu (married name Mrs. Sally Chiu Wan). The ichneumonid types are in the type collection in special drawers.

The types deteriorated somewhat from humidity during the Second World War in the former building on Roosevelt Road in Taipei or during wartime precautionary evacuation to Sunmoon Lake, but are all in identifiable condition. They are now safely kept in a good building. Many of the types have had parts (especially heads) detached and glued on points for study or for drawing. Parts that are lacking entirely are listed for each type. Authors of the types are J. Sonan, Shui-chen Chiu, Henry Townes and Shui-chen Chiu, Gupta and Maheshwary, Maheshwary and Gupta, and T. Shiraki. Most

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of the types are from Taiwan. A few are from Korea, Japan, Ryukyu Islands, mainland China, and the type of *Enicospilus fossatus* from Malaysia.

Acknowledgments : I was working March, April, and May 1983 at the Taiwan Agricultural Research Institute under a grant from the Taiwan National Science Council. My primary objective was to sort the ichneumonid collection of the Institute to genus. As a side project I reviewed the ichneumonid types.

Miss Shui-chen Chiu gave needed assistance in practical and scientific matters while I was working at the Institute. She has reviewed this manuscript, supplied some missing details, and paid attention to the correct recording of Taiwanese localities.

LIST OF TYPES

Aceraspis cruralis Chiu, 1962. Bul. Taiwan Agr. Res. Inst. 20 : 5. ♀.

Type: ♀, Chuifen, Wushe, Taiwan, Sept. 2, 1940, J. Sonan.

Identity: *Aceraspis cruralis* Chiu.

Angitia arisana Sonan, 1936. Trans. Nat. Hist. Soc. Formosa 26 : 269. ♂, ♀.

Lectotype (labeled as type with a round printed label and hereby designated): ♀, Funkiko at 1,500m. on Arisan [=Alishan], Mar. 17, 1936, J. Sonan.

Identity : *Eriborus arisana* Sonan. Transferred to *Eriborus* by Townes, Townes, and Gupta, 1961.

Anilasta japonica Sonan, 1930. Trans. Nat. Hist. Soc. Formosa 20 : 269. ♂, ♀.

Type: ♀ (lacking abdomen), Hakodate, Japan, Aug. 4, 1921, T. Shiraki.

Identity:*Lemophagus japonicus* Sonan. **New combination.**

Anomalon discoidellum Sonan, 1930. Trans. Nat. Hist. Soc. Formosa 20 : 139. ♂, ♀.

Type: ♀ (lacking flagella), specimen labeled Taihyo, but published as Taihoku [= Taipei], Taiwan, Apr. 13, 1924, J. Sonan.

Identity: *Habronyx discoidellus* Sonan. **New combination.**

Apophua badia Chiu, 1965. Quart. Jour. Taiwan Mus. 18 : 217. ♂.

Type: ♂ (lacking flagella and wings), Taitung, Taiwan, Feb. 25 to Mar. 27, 1919, S. Inamura, J. Sonan, and M. Yoshino.

Identity: *Apophua badia* Chiu.

Apophus (!) **karenkonus** Sonan, 1936. Trans. Nat. Hist. Soc. Formosa 26 : 252. ♀.

Type: ♀ (lacking flagella and wings), Karenko [=Hualien], Taiwan, 1,000 to 3,000m., July 20 to Aug. 4, 1919, T. Okuni, J. Sonan, K. Miyake, and M. Yoshino.

Identity : *Apophua karenkona* Sonan.

Apophus (!) **taiheizanus** Sonan, 1936. Trans. Nat. Hist. Soc. Formosa 26 : 251. ♂, ♀.

Type: ♀ (lacking antennae and front legs), Taiheizan [=Taipingshan], 1,000 to 1,500m., Taiwan, Aug. 26, 1925, J. Sonan.

Identity: *Glypta taiheizana* Sonan.

Batithrix (!) **kuwanae** var. **nigrans** Sonan, 1930. Trans. Nat. Hist. Soc. Formosa 20 : 358. ♂.

Type: ♂ (lacking abdomen and middle and hind tarsi), reared from *Oulema melanopus* (probably *O. oryzae*), Hakodate, Japan, Aug. 4, 1921, T. Shiraki.

Identity: *Bathythrix kuwanae* Viereck. Synonymized by Kuwayama, 1932.

Batithrix (!) **rufus** Sonan, 1930. Trans. Nat. Hist. Soc. Formosa 20 : 358. ♂.

Type: ♂ (lacking head, abdomen, and apical segments of front and hind tarsi), reared from *Oulema melanopus* (probably *O. oryzae*), Niigata, Japan, July 18, 1921, T. Shiraki.

Identity: *Gambrus*? *rufus* Sonan. Transferred to *Gambrus*? by Townes, Momoi, and Townes, 1965.

Campoplex chiuae Gupta and Maheshwary, 1977. Ichneumonologia orientalis 4 : 54. ♀.

Type: ♀, Kuandouchi, Taiwan, Oct. 16 to 22, 1970.

Identity: *Campoplex chiuae* Gupta and Maheshwary.

Campoplex pusillus Gupta and Maheshwary, 1977. Ichneumonologia orientalis 4 : 71. ♀.

Type: ♀, Sintien, Taiwan, Apr. 3, 1963, K. S. Lin.

Indentity: *Campoplex pusillus* Gupta and Maheshwary.

Campoplex taiwana Sonan, 1937. Trans. Nat. Hist. Soc. Formora 27 : 171. ♀.

Type: ♀, reared from *Polistes mandarinus*, Taihoku [=Taipei], Taiwan, June 14, 1972, M. Matsuda.

Identity: *Venturia taiwana* Sonan. **New combination.**

Casinaria buddha Maheshwary and Gupta, 1977. Ichneumonologia orientalis 4 : 145. ♂, ♀.

Type: ♂ [Taitung], Taiwan, Jan. 11 to 17, 1971, Malaise trap.

Identity: *Casinaria buddha* Maheshwary and Gupta.

Casinaria colacae Sonan, 1939. Zool. Soc. Japan, Tokyo, Dobutugaku Zasshi 51 : 429, 431, ♂.

Type: ♂, reared from *Parnara colacae*, Heito [=Pingtung], Taiwan, Oct. 3, 1928, R. Yamaho.

Identity: *Casinaria pedunculata pedunculata* Szépligeti. Synonymized by Maheshwary and Gupta, 1977.

Casinaria leo rufipedalis Maheshwary and Gupta, 1977. Ichneumonologia orientalis 4 : 165. ♀.

Type: ♀, Sunmoon Lake, Taiwan, Nov. 5, 1968, Malaise trap.

Identity: *Casinaria leo rufipedalis* Maheshwary and Gupta.

Casinaria simillima Maheshwary and Gupta, 1977. Ichneumonologia orientalis 4 : 144. ♂.

Type: ♂, Taipei, Taiwan, Nov. 26, 1968, K. H. Chang.

Identity : *Casinaria simillima* Maheshwary and Gupta. It is not certain that *simillima* is distinct from *C. formosana*. There is no clear difference. The claspers of the type are retracted and not visible.

Charops arctornisae Sonan, 1930. Trans. Nat. Hist. Soc. Formosa 20 : 268. ♂, ♀.

Type: ♀, Taihoku [=Taipei], Taiwan, Feb. 21, 1921, J. Sonan.

Identity: *Dichelobosmina papilionis* Ashmead. Synonymized by Townes, Townes, and Gupta, 1961.

Charops flavipetiolus Sonan, 1929. Trans. Nat. Hist. Soc. Formosa 19 : 416. ♂.

Type: ♂, Taihoku [=Taipei], Taiwan, Apr. 1, 1921, J. Sonan.

Identity: *Scenocharops flavipetiolus* Sonan. Transferred to *Scenocharops* by Townes, Townes, and Gupta, 1961.

Chreusa taiwana Sonan, 1932. Trans. Nat. Hist. Soc. Formosa 22 : 85. ♂, ♀.

Type: ♀ (lacking flagella beyond first segment), Taiheizan [=Taipingshan], Taiwan, Aug. 26, 1923, J. Sonan.

Identity: *Hemigaster taiwana* Sonan. Transferred to *Hemigaster* by Townes, Townes, and Gupta, 1961.

Coleocentrus alpinus Chiu, 1971. Bul. Taiwan Agr. Res. Inst. 29 : 3. ♀.

Type: ♀ (lacking flagella and front tarsi), Anma, Tashehshan, Taiwan, Apr. 4, 1962, S. C. Chang.

Identity: *Coleocentrus alpinus* Chiu.

Colpotrochia brevicincta Chiu, 1962. Bul. Taiwan Agr. Res. Inst. 20 : 22. ♀.

Type: ♀, Alishan, Taiwan, Oct. 10, 1912, I. Nitobe.

Identity: *Colopotrochia brevicincta* Chiu.

Colpotrochia montana Chiu, 1962. Bul. Taiwan Agr. Res. Inst. 20 : 22. ♂, ♀.

Type: ♀, Hualien, Taiwan, July 20 to Aug. 4, 1919, T. Okuni. J. Sonan, K. Miyake, and M. Yoshino.

Indentity: *Colpotrochia brevicincta* Chiu. **New synonym.**

Colpotrochia nana Chiu, 1962. Bul. Taiwan Agr. Res. Inst. 20 : 19. ♀.

Type: ♀, Alishan, Taiwan, Aug. 24, 1927, J. Sonan [and K. Shibata].

Identity: *Colpotrochia nana* Chiu.

Colpotrochia plana Chiu, 1962. Bul. Taiwan Agr. Res. Inst. 20 : 19. ♂, ♀.

Type: ♀, Kanshirei (=Kuantzuling) Taiwan, Nov. 10, 1926, J. Sonan.

Identity: *Colpotrochia plana* Chiu.

Cremastus (Tarytia) Shirakii Sonan, 1930. Trans. Nat. Hist. Soc. Formosa 20 : 142. ♂, ♀.

Type: ♀ (lacking head), Taihoku [=Taipei], Taiwan, Oct. 1915, J. Sonan.

Identity: *Temelucha shirakii* Sonan. Transferred to *Temelucha* by Townes, 1958.

Cryptus flavicoxatus Sonan, 1930. Trans. Nat. Hist. Soc. Formosa 20 : 272. ♂.

Type: ♂, reared from *Hyblaea puera* , Kizan [=Chishan], in Takao-Shu, Taiwan, June 15, 1930, Y. Yamazaki.

Identity: *Friona okinawana* Uchida. Synonymized by Uchida, 1932.

Cryptus trirrhogmaniformis Sonan, 1929. Trans. Nat. Hist. Soc. Formosa 19 : 424. ♂.

Type: ♂, Reared from *Monema* sp., Shinchiku=[Hsinchu], Chikurin [=Chulin], 3,000 ft., Sept. 10, 1928, J. Sonan.

Identity: *Chlorocryptus coreanus* Szépligeti. Synonymized by Uchida, 1930.

Cyanoxorides formosanus Sonan, 1936 . Trans. Nat. Hist. Soc. Formosa 26 : 332. ♀.

Type: ♀, Karenko [=Hualien], Taiwan, 1,000 to 3,000 m., July 20 to Aug. 4, 1919, T. Okuni, J. Sonan, K. Miyake , and M. Yoshino.

Identity: *Xorides (Epixorides) formosanus* Sonan. Transferred to *Xorides (Epixorides)* by Townes, Townes, and Gupta, 1961.

Delopia nigrifemur Sonan, 1929. Trans. Nat. Hist. Soc. Formosa 19 : 417. ♂.

Type: ♂, Taihoku [=Taipei], Taiwan, Mar. 6, 1924, J. Sonan.

Identity: *Dusona nigrifemur* Sonan. Transferred to *Dusona* by Townes, Townes, and Gupta, 1961.

Dioctes gelachiae Sonan, 1939 (July). Trans. Nat. Hist. Soc. Formosa 29 : 20 1. ♀.

Type: ♀, Taihoku [=Taipei], Taiwan, May 16, 1935, S. Issiki.

Identity: *Venturia oditesi* Sonan. **New synonym**. It is uncertain whether *gelachiae* or *oditesi* has priority. Both are dated July, 1939.

Drepanoctonus auritus Chiu, 1962. Bul. Taiwan Agr. Res. Inst. 20-23. ♀.

Type: ♀, Fenchihu, Taiwan, Nov. 16, 1920, J. Sonan.

Identity: *Drepanoctonus auritus* Chiu.

Enicospilus bullatus Chiu, 1954. Bul. Taiwan Agr. Res. Inst. 13 : 53. ♀.

Type: ♀ (lacking hind legs), Kanshirei [=Kwantzuling], Taiwan, Nov. 19, 1928, J. Sonan.

Identity: *Enicospilus xanthocephalus* Cameron. Synonymized by Gauld and Mitchell, 1981.

Enicospilus chalasmatos Chiu, 1954. Bul. Taiwan Agr. Res. Inst. 13 : 69. ♀.

Type: ♀ (lacking last segment of hind tarsi), Shonan-o, Rato [=Lotung], Taiwan, Dec. 11, 1930, Y. Yanazaki.

Identity: *Enicospilus chalasmatos* Chiu. Gauld and Mitchell, 1981, synonymized *E. chalasmatos* with *E. maai*, but comparison of the types of *chalasmatos* and *maai* indicates that they are probably different species.

Enicospilus concavus Chiu, 1954. Bul. Taiwan Agr. Res. Inst. 13 : 45. ♂.

Type: ♂ (lacking hind tarsi and genitalia), reared from *Polydesmia umbricola*, Taihoku [=Taipei], Taiwan, Jan. 24, 1932, J. Sonan.

Identity: *Enicospilus ashbyi* Ashmead. Synonymized by Gauld and Mitchell, 1981.

Enicospilus crucis Chiu, 1954. Bul. Taiwan Agr. Res. Inst. 13 : 70. ♀.

Type: ♀ (lacking hind tarsal segments 4-5), Jujiro (near Arisan [=Alishan]), Taiwan, Apr. 26, 1931, T. Shiraki.

Identity: *Enicospilus aciculatus* Taschenburg. Synonymized by Gauld and Mitchell, 1981.

Enicospilus exaggeratus Chiu, 1954. Bul. Taiwan Agr. Res. Inst. 13 : 24. ♀.

Type: ♀, Taiheizan [=Taipingshan], Taiwan, May 10, 1942, A. Mutuura.

Identity: *Enicospilus exaggeratus* Chiu.

Enicospilus flatus Chiu, 1954. Bul. Taiwan Agr. Res. Inst. 13 : 28. ♀.

Type: ♀ (lacking segments 3-5 of hind tarsi), Taihoku [=Taipei], Taiwan, May 28, 1931, J. Sonan.

Identity: *Enicospilus flatus* Chiu. Synonymized with *E. lineolatus* by Gauld and Mitchell, 1981, but probably a distinct species. From *lineolatus* it differs in having the distal sclerome different (as illustrated by Chiu) and the temple a little fuller. The proximal sclerome which Chiu illustrated, however, seems to be absent from the type of *flatus*.

Enicospilus fossatus Chiu, 1954. Bul. Taiwan Agr. Res. Inst. 13 : 63. ♀.

Type: ♀ (lacking segments 2-5 of hind tarsi), Johore, Malay Peninsula, Oct. 1, 1916, S. Kiyatake [not Kitatake].

Identity: *Enicospilus capensis* Thunberg. Synonymized by Gauld and Mitchell, 1981.

Enicospilus fusiformis Chiu, 1954. Bul. Taiwan Agr. Res. Inst. 13 : 27. ♂, ♀.

Type: ♀ (lacking segment 5 of hind tarsi), Urai [=Wulai], Taiwan, June 24, 1933, K. Kobayashi.

Identity: *Enicospilus fusiformis* Chiu.

Enicospilus gephyrus Chiu, 1954. Bul. Taiwan Agr. Res. Inst. 13 : 32. ♀.

Type: ♀ (lacking last segment of hind tarsi), Tokusa, Yamaguchi, Japan, Aug. 1, 1922, T. Shiraki.

Identity: *Enicospilus javanus* Szépligeti. Synonymized by Gauld and Mitchell, 1981.

Enicospilus glabrifacies Chiu, 1954. Bul. Taiwan Agr. Res. Inst. 13 : 40. ♂.

Type: ♂ (lacking hind tarsi and genitalia), Kuraru [=Kueitzuchiao] Taiwan, Aug. 1, 1931, T. Shiraki.

Identity: *Enicospilus vestigator* Smith. Synonymized by Gauld and Mitchell.

Enicospilus iracundus Chiu, 1954. Bul. Taiwan Agr. Res. Inst. 13 : 17. ♂.

Type: ♂ (lacking genitalia and front legs beyond first trochanter), Ruikyu Islands, 1922, J. Sonan.

Identity: *Enicospilus iracundus* Chiu.

Enicospilus laticarinatus Chiu, 1954. Bul. Taiwan Agr. Res. Inst. 13 : 19. ♀.

Type: ♀ (lacking segments 3-5 of hind tarsi), Takeyama [=Chusan], Taiwan, Feb. (not Jan.) 6, 1928, J. Sonan.

Identity: *Enicospilus dolosus* Tosquinet. Synonymized by Gauld and Mitchell, 1981.

Enicospilus leetoni Chiu, 1954. Bul. Taiwan Agr. Res. Inst. 13 : 38. ♂, ♀.

Type: ♀ (lacking segments 3-5 of hind tarsi), Taihoku [=Taipei], Taiwan, Sept. 1, 1925, J. Sonan.

Identity: *Enicospilus laqueatus* Enderllein. Synonymized by Gauld and Mitchell, 1981.

Enicospilus maai Chiu, 1954. Bul. Taiwan Agr. Res. Inst. 13 : 22. ♀.

Type: ♀ (lacking segments 3-5 of hind tarsi), Musha [=Wushe], Taiwan, Jan. 1, 1929, K. Sato.

Identity: *Enicospilus maai* Chiu.

Enicospilus molopos Chiu, 1954. Bul. Taiwan Agr. Res. Inst. 13 : 57. ♂, ♀.

Type: ♀ (lacking segments 3-5 of hind tarsi), Rengechi [=Lienhuachih] , Taiwan, Oct. 9, 1935, S. Issiki.

Identity: *Enicospilus sauteri* Enderlein. Synonymized by Gauld and Mitchell, 1981.

Enicospilus multidens Chiu, 1954. Bul. Taiwan Agr. Res. Inst. 13 : 75. ♂, ♀.

Type: ♀ (lacking hind tarsal segments 2-5), Minomo, Japan, July 20, 1918, N. Tosawa.

Identity: *Enicospilus multidens* Chiu.

Enicospilus nasutus Chiu, 1954. Bul. Taiwan Agr. Res. Inst. 13 : 65. ♂, ♀.

Type: ♀ (lacking last segment of all tarsi), Kanshirei [=Kwantzuling], Taiwan, Nov. 9, 1926, S. Toyota.

Identity: *Enicospilus riukiuensis* Matsumura and Uchida. Synonymized Gauld and Mitchell, 1981.

Enicospilus obliquus Chiu, 1954. Bul. Taiwan Agr. Res. Inst. 13 : 54. ♂. Name preoccupied by Morley, 1912. Renamed *E. clinatus* by Townes, Townes, and Gupta, 1961.

Type: ♂ (lacking abdomen and hind legs beyond femur), Kuraru [=Kueitzuchiao], Taiwan, March 12 to 15, 1931, T. Shiraki.

Identity: *Enicospilus xanthocephalus* Cameron. Synonymized by Gauld and Mitchell, 1981.

Enicospilus quintuplex Chiu, 1954. Bul. Taiwan Agr. Res. Inst. 13 : 61. ♀.

Type: ♀ (lacking hind tarsal segments 2-5), Shaowu, Fukien, mainland China, Oct. 8, 1945, S. H. Chao.

Identity: *Enicospilus quintuplex* Chiu. Synonymized with *E. melanocarpus* Cameron by Gauld and Mitchell, 1981, but differing from *melanocarpus* in the curvature of discocubital vein, somewhat different scleromes in the discocubital cell, and in lacking black apex of abdomen.

Enicospilus ranunculus Chiu, 1954. Bul. Taiwan Agr. Res. Inst. 13 : 36. ♀.

Type: ♀ (lacking segments 4-5 of hind tarsi), Kongo-San [=Mt. Keum-Kang], in "Kôgen-dô", Korda, Sept. 7, 1931, C. Takeya.

Identity: *Enicospilus ranunculus* Chiu.

Enicospilus receptor Chiu, 1954. Bul. Taiwan Agr. Res. Inst. 13 : 40. ♀.

Type: ♀, Koshun [=Hengchun], Taiwan, Nov. 27, 1923, R. Takahashi.

Identity: *Enicospilus vestigator* Smith. Synonymized by Townes, Townes, and Gupta, 1961.

Enicospilus relictus Chiu, 1954. Bul. Taiwan Agr. Res. Inst. 13 : 20. ♀.

Type: ♀ (lacking middle and hind tarsi), Bôtel-Tobago=Kôtôsho [=Lanyu Island], Taiwan, March to Apr. 1932, S. Hirayama.

Identity: *Enicospilus shinkanus* Uchida. Synonymized by Gauld and Mitchell, 1981.

Enicospilus saepis Chiu, 1954. Bul. Taiwan Agr. Res. Inst. 13 : 77. ♂, ♀.

Type: ♀, Nara, Japan, Aug. 17, 1918, J. Sonan.

Identity: *Enicospilus saepis* Chiu.

Enicospilus selmatos Chiu, 1954. Bul. Taiwan Agr. Res. Inst. 13 : 50. ♂, ♀.

Type: ♀, Taihoku [=Taipei], Taiwan, Dec. 12, 1925, J. Sonan.

Identity: *Enicospilus nigripectus* Enderlein. Synonymized by Gauld and Mitchell, 1981.

Enicospilus seniculus Chiu, 1954. Bul. Taiwan Agr. Res. Inst. 13 : 71. ♀.

Type: ♀ (lacking hind tarsal segments 4-5), Suigen [=Suwon], Korea, Apr. to June, 1927, K. Sato.

Identity: *Enicospilus shikokuensis* Uchida. Synonymized by Gauld and Mitchell, 1981.

Enicospilus sigmatoides Chiu, 1954. Bul. Taiwan Agr. Res. Inst. 13 : 75. ♂.

Type: ♂ (lacking genitalia and hind tarsal segments 3-5), Suigen [=Suwon] Korea, Apr. 24, 1930, K. Sato.

Identity: *Enicospilus sigmatoides* Chiu.

Enicospilus tenuinubeculus Chiu, 1954. Bul. Taiwan Agr. Res. Inst. 13 : 34 ♀.

Type: ♀ (lacking hind tarsal segments 3-5), Shaowu, Fukien, mainland China, May 23 to 29, 1944, H. F. Chao.

Identity: *Enicospilus tenuinubeculus* Chiu. Synonymized by Gauld and Mitchell, 1981, with *E. pseudoconspersae*, but not conspecific with *pseudoconspersae* (types of the two names compared). Gauld and Mitchell's figure 532 agrees with the type of *pseudoconspersae* but not with that of *tenuinubeculus*.

Enicospilus transversus Chiu, 1954. Bul. Taiwan Agr. Res. Inst. 13 : 14. ♀.

Type: ♀ (lacking segments 3-5 of hind tarsi), Taihoku [=Taipei], Taiwan Jan. 4, 1924, J. Sonan.

Identity: *Enicospilus transversus* Chiu.

Enicospilus tripartitus Chiu, 1954. Bul. Taiwan Agr. Res. Inst. 13 : 36. ♀.

Type: ♀ (lacking segments 4-5 of hind tarsi), Taihoku [=Taipei], Taiwan, Aug. 27, 1937, J. Sonan.

Identity: *Enicospilus tripartitus* Chiu.

Enicospilus uniformis Chiu, 1954. Bul Taiwan Agr. Res. Inst. 13 : 25. ♂, ♀.

Type: ♀ (lacking segments 4-5 of hind tarsi), Taihoku [=Taipei], Taiwan, Apr. 14, 1921, J. Sonan [not S. Aoki].

Identity: *Enicospilus lineolatus* Roman. Synonymized by Gauld and Mitchern, 1981.

Enicospilus yanagiharai Sonan, 1940. Trans. Nat. Hist. Soc. Formosa 30 : 371. ♂.

Type: ♂ (lacking genitalia and hind tarsi beyond first segment), Kita-Daitojima, Ryukyu Islands, March 18, 1939, M. Yanagihara.

Identity: *Enicospilus capensis* Thunberg. Synonymized by Gauld and Mitchell, 1981.

Enicospilus zeugos Chiu, 1954. Bul. Taiwan Agr. Res. Inst. 13 : 64. ♀.

Type: ♀ (lacking segment 5 of middle and hind tarsi), Urai [=Wulai], Taiwan, June, 1931, J. Sonan.

Identity: *Enicospilus grammospilus* Enderlein. Synonymized by Gauld and Mitchell, 1981.

Enicospilus zyzzus Chiu, 1954. Bul. Taiwan Agr. Res. Inst. 13 : 23. ♀.

Type: ♀, Fukien, Foochow, mainland China, Feb. 13, 1948, H. F. Chao.

Identity: *Enicospilus insinuator* Smith. Synonymized by Gauld and Mitchell, 1981.

Ephialtes arisanus Sonan, 1936. Trans. Nat. Hist. Soc. Formosa 26 : 104. ♀.

Type: ♀, Funkiko, Arisan [=Alishan], 1,500m., Taiwan, Nov. 16, 1926, J. Sonan.

Identity: *Pimpla arisana* Sonan. Transferred to *Pimpla* by Townes, Townes, and Gupta, 1961.

Ephialtes macropunctatus var. **urainus** Sonan, 1936. Trans. Nat. Hist. Soc. Formosa 26 : 105. ♀.

Type: ♀ (lacking antennae), Urai [=Wulai], Bunzan-gun, Taihoku [=Taipei] Co., Taiwan, Jan. 30, 1930, S. Issiki.

Identity: *Dolichomitus macropunctatus urainus* Sonan. Transferred to *Dolichomitus* by Townes, Townes, and Gupta, 1961.

Ephialtes miwai Sonan, 1936. Trans. Nat. Hist. Soc. Formosa 26 : 107. ♀.

Type: ♀, published as Suisha, labeled "Nichigetsutan" [=Sunmoon Lake], Taiwan, Jan. 27, 1929, Y. Miwa.

Identity: *Paraperithous miwai* Sonan. **New combination.**

Ephialtes posticus Sonan, 1936. Trans. Nat. Hist. Soc. Formosa 26 : 105. ♀.

Type: ♀, Chôshû [=Chaochou], Taiwan, March 18, 1927, S. Issiki.

Identity: *Dolichomitus macropunctatus urainus* Sonan. Synonymized by Townes, Townes, and Gupta, 1961.

Ephialtes tenchozanus Sonan, 1936. Trans. Nat. Hist. Soc. Formosa 26 : 103. ♀.

Type: ♀, Tenchôzan, Karenko [=Hualien] Co., 500m., Taiwan, July 18 to Aug. 4, 1919, T. Okuni, J. Sonan, K. Miyake, and M. Yoshino.

Identity: *Pimpla tenchozana* Sonan. Transferred to *Pimpla* by Townes, Townes, and Gupta, 1961.

Epirhyssa flavipes Sonan, 1933. Trans. Nat. Hist. Soc. Formosa 23 : 246. ♀.

Type: ♀ (lacking wings), Giran [=Ilan], Taiwan, July 3, 1918, Y. Yamazaki.

Identity: *Sychnostigma flavipes* Sonan. Transferred to *Sychnostigma* by Townes, Townes, and Gupta, 1961.

Epirhyssa hyblaeana Sonan, 1933. Trans. Nat. Hist. Soc. Formosa 23 : 245. ♀.

Type: ♀, Tamai, Tainan-shu [=Yuching], Taiwan, Aug. 1, 1932, T. Mitono.

Identity: *Sychnostigma hyblaeanum* Sonan. Transferred to *Sychnostigma* by Townes, Townes, and Gupta, 1961.

Epiurus giranus Sonan, 1939. Trans. Nat. Hist. Soc. Formosa 29 : 203. ♂, ♀.

Type: ♀ (lacking abdomen), Giran [=Ilan], Taiwan, Feb. 10, 1931, J. Sonan.

Identity: *Scambus (Scambus) giranus* Sonan. Transferred to *Scambus* by Townes, Townes, and Gupta, 1961.

Eripternus akoensis Shiraki, 1917. Extra Rpt. Taihoku Agr. Exp. Sta. Formosa 15 (109); 145. ♀.

Type: ♀, reared from *Tryporyza incertulas*, Ako [=Pingtung], Taiwan, July, 1912, [Inamura].

Identity: *Diadegma akoense* Shiraki. Transferred to *Diadegma* by Townes, Townes, and Gupta, 1961.

Exochus leptomma Chiu, 1962. Bul. Taiwan Agr. Res. Inst. 20 : 36. ♀.

Type: ♀ (lacking flagella), Wushe, Taiwan, May 18 to June 15, 1919, T. Okuni, [J. Sonan, K. Miyake, and M. Yoshino].

Identity: *Exochus leptomma* Chiu.

Exochus longicaudis Chiu, 1962. Bul. Taiwan Agr. Res. Inst. 20 : 36. ♀.

Type: ♀, Taipei, Taiwan, Aug. 11, 1958, S. C. Chiu.

Identity: *Exochus longicaudis* Chiu.

Exochus scutellaris Chiu, 1962. Bul. Taiwan Agr. Res. Inst. 20 : 37. ♀.

Type: ♀, Taipingshan, Taiwan, Aug. 25, 1923, J. Sonan.

Identity: *Exochus scutellaris* Chiu.

Exochus stenus Chiu, 1962. Bul. Taiwan Agr. Res. Inst. 20 : 34. ♀.

Type: ♀, Tienmu, Taiwan, Dec. 20, 1955, S. C. Chiu.

Identity: *Exochus stenus* Chiu.

Gambrus homonae Sonan, 1930. Trans. Nat. Hist. Soc. Formosa 20 : 143. ♀.

Type: ♀, reared from *Homona menciana*, Kagoshima, Japan, July 9, 1926, S. Issiki.

Identity: *Ischnus homonae* Sonan. **New combination.**

Glypta aquila Chiu, 1965. Quart. Jour. Taiwan Mus. 18 : 212. ♂.

Type: ♂, Patungkwang, Mt. Morrison, [=Yushan] Jul. 16, 1941, S. Miyamoto.

Identity: *Glypta aquila* Chiu.

Habrocryptus ruficoxatus Sonan, 1930. Trans. Nat. Hist. Soc. Formosa 20 : 357. ♀.

Type: ♀ (lacking flagella beyond first segment), reared from *Oulema melanopus* (probably *O. oryzae*), Yamaguchi, Japan, July 22, 1921, T. Shiraki.

Identity: *Gambrus ruficoxatus* Sonan . **New combination.**

Henicospilus pseudoconspersae Sonan , 1927. Rpt. Dept. Agr. Govt. Res. Inst. Formosa 29 : 48. ♂.

Type: ♂ (lacking genitalia and last segment of hind tarsi), Taihoku [=Taipei], Taiwan, Apr. 25, 1927, J. Sonan.

Identity: *Enicospilus pseudoconspersae* Sonan.

Holocremnus posticae Sonan, 1929. Trans. Nat. Hist. Soc. Formosa 19 : 418. ♀.

Type: ♀, reared from *Orgyia australis postica*, Taihoku [=Taipei], Taiwan, Apr. 10, 1929, J. Sonan.

Identity: *Phobocampe posticae* Sonan. Transferred to *Phobocampe* by Townes, Townes, and Gupta, 1961.

Hymenobosmina eariasi Sonan, 1939. Zool. Soc. Japan, Tokyo, Dobutugaku Zasshi 51 : 429, 430. ♀.

Type: ♀ (lacking abdomen and hind legs beyond coxae), Tainan, Taiwan, May 22, 1938, S. Oshima.

Identity: *Eriborus eariasi* Sonan. Transferred to *Eriborus* by Townes, Townes, and Gupta, 1961.

Hymenobosmina oditesi Sonan, 1939 (July). Zool. Soc. Japan, Tokyo, Dobutugaku Zasshi 51 : 428, 430. ♀.

Type: ♀, Heichin [=Pingchen], Taiwan, Apr. 7, 1935, J. Sonan.

Identity: *Venturia oditesi* Sonan. Transferred to *Venturia* by Maheshwary, 1977.

Hymenobosmina posticae Sonan, 1929. Trans. Nat. Hist. Soc. Formosa 19 : 415. ♂, ♀.

Type: ♀, Taihyo [in Taipei] , Taiwan, March 6, 1924, J. Sonan.

Identity: *Hyposoter posticae* Sonan. Transferred to *Hyposoter* by Townes, Townes, and Gupta, 1961.

Hypsicera townesus Chiu, 1962. Bul. Taiwan Agr. Res. Inst. 20 : 31. ♂.

Type: ♂, Santiaoling, Taiwan, Nov. 15, 1957, F. L. Ye.

Identity: *Hypsicera townesus* Chiu.

Iseropus heichinus Sonan, 1930. Trans . Nat. Hist. Soc. Formosa 20 : 138. ♀.

Type: ♀ (lacking abdomen and flagella beyond third segment), Heichin [=Pingchen], Taiwan, Dec. 14, 1929, J. Sonan.

Identity: *Gregopimpla himalayensis* Cameron. Synonymized by Townes, Townes, and

Gupta, 1961.

Itoplectis homonae Sonan, 1930. Trans. Nat. Hist. Soc. Formosa 20 : 137. ♀.

Type: ♀, Taihyô in Taihoku [=Taipei], Taiwan, Apr. 15, 1928, J. Sonan. The type was seen in 1954. In 1983 it could not be found.

Identity: *Itoplectis homonae* Sonan.

Limnerium daitojimense Sonan, 1940. Trans. Nat. Hist. Soc. Formosa 30 : 371. ♂.

Type: ♂, Minami-Daitojima, Ryukyu Is., Mar. 18, 1939, M. Yanagihara.

Identity: *Casinaria daitojimensis* Sonan. Transferred to *Casinaria* by Townes, Townes, and Gupta, 1961.

Limnerium homonae Sonan, 1930. Trans. Nat. Hist. Soc. Formosa 20 : 140. ♀.

Type: ♀, Shinchiku [=Hsinchu], Taiwan, Apr. 4, 1921, J. Sonan.

Identity: *Campoplex homonae* Sonan. Transferred to *Campoplex* by Townes, Townes, and Gupta, 1961.

Mecha (!) **lemae** Sonan, 1930. Trans. Nat. Hist. Soc. Formosa 20 : 359. ♂.

Type: ♂ (lacking flagella beyond first segment), reared from *Oulema melanopus* [probably *O. oryzae*], Shirin in Taihoku [=Shilin, Taipei], Taiwan, May 5, 1920, K. Fukuda.

Identity: *Goryphus basilaris* Holmgren. **New synonym.**

Metopius (Ceratopius) dissectorius taiwanensis Chiu, 1962. Bul. Taiwan Agr. Res. Inst. 20 : 11. ♂, ♀.

Type: ♀, Kyuhabon, Taiwan, Oct. 9, 1926, S. Issiki.

Identity: *Metopius (Ceratopius) dissectorius taiwanensis* Chiu.

Metopius (Tylopius) fuscolatus Chiu, 1962. Bul. Taiwan Agr. Res. Inst. 20 : 9. ♀.

Type: ♀ (front wing, hind femur, hind tibia, and hind tarsal segments 1-4 present, the rest of specimen missing), Lienhuachih, Taiwan, Oct. 9, 1926, S. Issiki.

Identity: *Metopius (Tylopius) fuscolatus* Chiu.

Metopius (Tylopius) soror Chiu, 1962. Bul. Taiwan Agr. Res. Inst. 20 : 8. ♀.

Type: ♀, Wushe, Taiwan, June 25 to July 5, 1947, Maa, [Chen, and Lin].

Identity: *Metopius (Tylopius) soror* Chiu.

Nesopimpla rufiventris Sonan, 1939. Trans. Nat. Hist. Soc. Formosa 29 : 204. ♀.

Type: ♀, Taihoku [=Taipei], Taiwan. Feb. 18, 1926, J. Sonan.

Identity: *Itoplectis narangae* Ashmead, variety. Synonymized by Townes, Townes, and Gupta, 1961.

Pezomachus lemae Sonan, 1930. Trans. Nat. Hist. Soc. Formosa 20 : 271. ♀.

Type: ♀, reared from *Oulema melanopus* (probably *O. oryzae*), Nagano Japan, July 21, 1921, T. Shiraki.

Identity: *Gelis lemae* Sonan. Transferred to *Gelis* by Townes, Momoi, and Townes, 1965.

Phytodietus arisanus Sonan, 1936. Trans. Nat. Hist. Soc. Formosa 26 : 255. ♀.

Type: ♀, Toroen, Arisan [=Alishan], 1,600m., Taiwan, Sept. 19, 1926, K. Toyota.

Identity: *Phytodietus arisanus* Sonan.

Phytodietus formosanus Sonan, 1936. Trans. Nat. Hist. Soc. Formosa 26 : 253 ♀.

Type: ♀, Chitsupon [=Chihpen, Taitung], Taiwan, Dec. 13, 1927, S. Akasaka.

Identity: *Phytodietus* (*Phytodietus*) *formosanus* Sonan. Kaur and Jonathan incorrectly referred this to the subgenus *Neuchorus* (1979. Ichneumonologia orientalis 8 : 38).

Pimpla daitojimana Sonan, 1940. Trans. Nat. Hist. Soc. Formosa 30 : 369. ♂, ♀.

Type: ♀ (lacking abdomen, but abdomen of a *Scambus* glued on to the mount), Kita-Daitojima, Ryukyu Islands, March 18, 1939, M. Yanagihara.

Identity: *Coccygomimus daitojimanus* Sonan. Transferred to *Coccygomimus* by Townes, Townes, and Gupta, 1961.

Poemenia taiwana Sonan, 1936. Trans. Nat. Hist. Soc. Formosa 26 : 414. ♀.

Type: ♀ (lacking flagella and middle legs beyond femur), Kanmon [=Kuangman], Taiwan, Apr. 18, 1910, T. Nitobe.

Identity: *Poemenia taiwana* Sonan.

Pristomerus taoi Sonan, 1936. Trans. Nat. Hist. Soc. Formosa 26 : 270. ♂, ♀.

Types: 2♂, 2♀, reared from cotton bolls infested with *Earias cupreoviridis* and *Pectinophora gossypiella*, Chia-Tin, Kiangsu, mainland China, Sept. 1935, K. Tao.

Identity: *Pristomerus taoi* Sonan.

Sachtlebenia sexmaculata Townes, 1963. Beitr. Ent. 13 : 523. ♀.

Type: ♀, Shaowu Hsein, Fukien Prov., mainland China, 1,200 to 1,500m., Aug. 13 to 17, 1945, T. C. Maa.

Identity: *Sachtlebenia sexmaculata* Townes.

Sinophorus psycheae Sonan, 1939. Trans. Nat. Hist. Soc. Formosa 29 : 202. ♀.

Type: ♀, reared from *Acanthopsyche taiwana*, Taihoku [=Taipei], Taiwan, Apr. 15, 1924, J. Sonan. Type lost.

Identity: Taxonomic position unknown. Type not seen.

Siphimedia apicalis Sonan, 1936. Trans. Nat. Hist. Soc. Formosa 26 : 415. ♀.

Type: ♀, Karenko [=Hualien], 1,000 to 3,000m., Taiwan, July 20 to Aug. 4, 1919, T. Okuni, J. Sonan, K. Miyake, and M. Yoshino.

Identity: *Jezarotes apicalis* Sonan. Transferred to *Jezarotes* by Townes, Townes, and Gupta, 1961.

Siphimedia intermedia Sonan, 1936. Trans. Nat. Hist. Soc. Formosa 26 : 418. ♀.

Type: ♀ (lacking flagella, wings, and front legs), Hassenzan [=Pahsienshan], Taiwan, Aug. 28, 1929, S. Issiki and T. Yoshida.

Identity: *Yezoceryx intermedia* Sonan. Transferred to *Yezoceryx* by Townes, Townes, and Gupta, 1961.

Siphimedia nigricephala Sonan, 1936. Trans. Nat. Hist. Soc. Formosa 26 : 417. ♀.

Type: ♀, Tamaru [=Tienwan], Rato-gun [=Lotung], Taihoku [=Taipei] Prefecture, Taiwan, Sept. 1, 1923, J. Sonan.

Identity: *Yezoceryx nigricephala* Sonan. Transferred to *Yezoceryx* by Townes, Townes, and Gupta, 1961.

Siphimedia purpurata Sonan, 1936. Trans. Nat. Hist. Soc. Formosa 26 : 250. ♀.

Type: ♀, Mekaran [=Meihua], Chikutô-gun, Shinchu Prefecture, Taiwan, Aug. 20,

1928, J. Sonan.

Identity: *Yezoceryx purpurata* Sonan. Transferred to *Yezoceryx* by Townes, Townes, and Gupta, 1961.

Siphimedia scutellaris Sonan, 1936. Trans. Nat. Hist. Soc. Formosa 26 : 416. ♀. Name preoccupied in *Yezoceryx* by Uchida, 1926.

Type: ♀ (lacking flagella beyond first segment, middle legs beyond coxae, and segments 2-5 of hind tarsi), Taiheizan [=Taipingshan], Taiwan, Aug. 26, 1929, J. Sonan.

Identity: *Yezoceryx sonani* Townes, Townes, and Gupta. Renamed by Townes, Townes, and Gupta, 1961.

Spilopteron alishanus Chiu, 1971. Bul. Taiwan Agr. Res. Inst. 29 : 22. ♂.

Type: ♂, Jujiro [=Shihtzulu], Taiwan, Apr. 26, 1931, T. Shiraki.

Identity: *Spilopteron alishanum* Chiu.

Taiwatheronia mahasenae Sonan, 1936. Trans. Nat. Hist. Soc. Formosa 26 : 256. ♂, ♀.

Type: ♀ (lacking abdomen and flagella beyond first segment), Heichin [=Pingchen], Taiwan, Mar. 25, 1921, J. Sonan.

Identity: *Ephialtes taiwanus* Uchida. Synonymized by Townes, 1957.

Teleutaea arisana Sonan, 1936. Trans. Nat. Hist. Soc. Formosa 26 : 251. ♂, ♀.

Type: ♀, Funkiko [=Fenchihu], Arisan [=Alishan], 1,500m., Taiwan, Nov. 16, 1926, K. Toyota.

Identity: *Teleutaea arisana* Sonan.

Teleutaea lota Chiu, 1965. Quart. Jour. Taiwan Mus. 18 : 208. ♀.

Type: ♀ (lacking wings and flagella), Kahadai [=Chiapaotai], Taiwan, June 2, 1941, J. Sonan.

Identity: *Zygoglypta lota* Chiu. Transferred to *Zygoglypta* by Townes, 1970.

Teleutaea townesi Chiu, 1965. Quart. Jour. Taiwan Mus. 18 : 208. ♂.

Type: ♂, Alishan, Taiwan, Oct. 2 to 23, 1918, J. Sonan and M. Yoshino.

Identity: *Zygoglypta lota* Chiu. **New synonym.**

Thalessa arisana Sonan, 1933. Trans. Nat. Hist. Soc. Formosa 23 : 243. ♀.

Type: ♀, Arisan [=Alishan], 2,000m., Taiwan, Oct. 2 to 23, 1918, J. Sonan and M. Yoshino.

Identity: *Megarhyssa arisana* Sonan. Transferred to *Megarhyssa* by Townes, Townes, and Gupta, 1961.

Thalessa bonbonsana Sonan, 1933. Trans. Nat. Hist. Soc. Formosa 23 : 244. ♀.

Type: ♀, Kobayashi near Mt. Bonbon [=Hsiaolin], Taiwan, Aug. 28, 1923, J. Sonan.

Identity: *Megarhyssa bonbonsana* Sonan. Transferred to *Megarhyssa* by Townes, Townes, and Gupta, 1961. Specimens reported as *Thalessa superbiens* Morley by Sonan in 1933 (Trans. Nat. Hist. Soc. Formosa 23 : 423) are actually *bonbonsana*, not *superbiens*.

Trathala flavopedes Shiraki, 1917. Extra Rpt. Taihoku Agr. Exp. Sta. Formosa 15 (109) : 147. ♂.

Lectotype (labeled by Chiu and hereby designated): ♂ (lacking flagella, wings except bases, front and middle legs beyond femora, and abdomen beyond tergite 2), Taihoku [=Taipei], Taiwan, July 27, 1917.

Identity: *Eriborus sinicus* Holmgren. Synonymized by Sonan, 1944.

Triclistus lewi Chiu, 1962. Bul. Taiwan Agr. Res. Inst. 20 : 16. ♀.

Type: ♀, Tsaoshan, Taiwan, Apr. 16, 1958, K. S. Lin.

Identity: *Triclistus lewi* Chiu.

Triclistus sonani Chiu, 1962. Bul. Taiwan Agr. Res. Inst. 20 : 17. ♀.

Type: ♀, Taiping, Taiwan, Sept. 3, 1923, J. Sonan.

Identity: *Triclistus sonani* Chiu.

Venturia hexados Maheshwary, 1977. Ichneumonologia orientalis 4 : 111. ♂.

Type: ♂, Kuandouchi, Taiwan, Jan. 20-26, 1971, Malaise trap.

Identity: *Venturia hexados* Maheshwary.

Venturia quadrata Maheshwary, 1977. Ichneumonologia orientalis 4 : 112. ♂.

Type: ♂, Sunmoon Lake, Taiwan, Oct. 6 to 12, 1970, Malaise trap.

Identity: *Venturia quadrata* Maheshwary.

Venturia rufipetiola Maheshwary, 1977. Ichneumonologia orientalis 4 : 87. ♂, ♀.

Type: ♂, Taipei, Taiwan, Apr. 20 to 27, 1963.

Identity: *Venturia taiwana* Sonan. **New synonym.**

Xanthopimpla appendicularis sonani Townes and Chiu, 1970. Mem. Amer. Ent. Inst. 14 : 259. ♀.

Type: ♀, Hori [=Puli], Taiwan, Nov . 1, 1932, J. Sonan.

Identity: *Xanthopimpla appendicularis sonani* Townes and Chiu.

Xanthopimpla pulvinaris Townes and Chiu, 1970. Mem. Amer. Ent. Inst. 14 : 271. ♂, ♀.

Type: ♀. Shinchiku [=Shinchu], Taiwan, March 4, 1921, J. Sonan.

Identity: *Xanthopimpla pulvinaris* Townes and Chiu.

Xanthopimpla trunca pallipes Townes and Chiu, 1970. Mem. Amer. Ent. Inst. 14 : 235. ♂.

Type: ♂ (lacking head and abdomen), Rengechi [=Lienhuachih], Taiwan, May 18, 1926. J. Sonan.

Identity: *Xanthopimpla trunca pallipes* Townes and Chiu.

Xorides mushana Sonan, 1936. Trans. Nat. Hist. Soc. Formosa 26 : 413. ♀.

Type: ♀ (lacking front legs, abdomen, and flagella beyond segment 3), Musha [=Wushe], Taiwan, May 18 to June 15, 1919, T. Okuni, J. Sonan, K. Miyake, and M. Yoshino.

Identity: *Podoschistus mushanus* Sonan. Transferred to *Podoschistus* by Townes, Townes, and Gupta, 1961.

Yamatarotes convexus Chiu, 1971. Bul. Taiwan Agr. Res. Inst. 29 : 23. ♀.

Type: ♀ (lacking antennae), Naihumpo [=Neipenpu], Taiwan, Sept. 9, 1924, T. Shiraki and J. Sonan.

Identity: *Yamatarotes convexus* Chiu.

Yezoceryx angustus Chiu, 1971. Bul. Taiwan Agr. Res. Inst. 29 : 14. ♂

Type: ♂ (lacking flagella and wings), Karenko [=Hualien], Taiwan, July 20 to Aug. 4, 1919, T. Okuni, J. Sonan, K. Miyake, and M. Yoshino.

Identity: *Yezoceryx angustus* Chiu.

Yezoceryx choui Chiu, 1971. Bul. Taiwan Agr. Res. Inst. 29 : 12. ♀.

Type: ♀, Sunmoon Lake, Taiwan, Apr. 28, 1969, Malaise trap.

Identity: *Yezoceryx choui* Chiu.

Yezoceryx continuus Chiu, 1971. Bul. Taiwan Agr. Res. Inst. 29 : 13. ♂.

Type: ♂, Arisan [=Alishan], Taiwan, Oct. 2, 1923, J. Sonan and M. Yoshino.

Identity: *Yezoceryx continuus* Chiu.

Yezoceryx flavidus Chiu, 1971. Bul. Taiwan Agr. Res. Inst. 29 : 14. ♂.

Type: ♂, Shinchuku [=Hsinchu], Taiwan, July 1 to 30, 1918, J. Sonan and K. Miyake.

Identity: *Yezoceryx flavidus* Chiu.

Yezoceryx montana Chiu, 1971. Bul. Taiwan Agr. Res. Inst. 29 : 15. ♂.

Type: ♂ (lacking flagella beyond first segment), Hassenzan [=Pahsienshan], Taiwan, June 8, 1941, J. Sonan.

Identity: *Yezoceryx montanus* Chiu.

Yezoceryx punctatus Chiu, 1971. Bul. Taiwan Agr. Res. Inst. 29 : 16. ♀.

Type: ♀ (lacking antennae), Takaoyama [=Dagoshan], Taiwan, July 13, 1932, J. Sonan.

Identity: *Yezoceryx punctatus* Chiu.

References

Journal references for descriptions of new species are given with the type citations. The following three papers are frequently cited for new synonymy and generic transfers. All three contain further references.

1. Gauld, I. D. and P. A. Mitchell, 1981. The taxonomy, distribution and host preferences of Indo-Papuan parasitic wasps of the subfamily Ophioninae (Hymenoptera: Ichneumonidae). Commonwealth Agricultural Bureaux, Farnam Royal, England. 611 pp.
2. Townes, Henry, Setsuya Momoi, and Marjorie Townes, 1965. A catalogue and reclassification of the eastern Palearctic Ichneumonidae. Mem. Amer. Ent. Inst. (5) : 661 pp.
3. Townes, Henry, Marjorie Townes, and Virendra K. Gupta, 1961. A catalogue and reclassification of the Indo-Australian Ichneumonidae. Mem. Amer. Ent. Inst. (1) : 522pp.

臺灣姬蜂科模式標本名錄[1]

Henry Townes[2]

摘　要

臺灣之姬蜂科（Ichneumonidae）模式標本，僅臺灣省農業試驗所昆蟲標本館存有。故本名錄亦即臺灣現有之姬蜂科模式標本名錄。本文將該館現存臺灣產姬蜂之正模（Type）及選模（Lectotype）標本，依其學名首字英文字母之先後爲序，列述各模式標本之原記載產地、標本之目前狀況及其正確學名等。作者並提出新同物異名（new synonymy），且將一些已被認定爲同物異名者恢復其原名爲有效名，或重新給予歸屬（genus）。計有：*Anilasta japonica*, *Anomalon discoidellum*, *Campoplex taiwana*, *Colpotrochia montana*, *Dioctes gelachiae*, *Enicospilus chalasmatos*, *E. flatus*, *E. quintuplex*, *E. tenuinubeculus*, *Ephialtes miwai*, *Gambrus homonae*, *Habrocryptus ruficoxatus*, *Hypsicera exserta*, *Melcha lemae*, *Teleutaea townesi*, and *Ventura rufipetiola*等。

1.臺灣省農業試驗所研究報告第1161號。

2.本所應用動物系特約講座。